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TITLE: ELECTRICALLY CONDUCTIVE METALLIC OXIDE PARTICLES, METHOD FOR PRODUCING  
ELECTRICALLY CONDUCTIVE METALLIC OXIDE PARTICLES, BASIC MATERIAL WITH TRANSPARENT  
ELECTRICALLY CONDUCTIVE COATING, AND DISPLAYING DEVICE

PUBN-DATE: February 7, 2003

## INVENTOR-INFORMATION:

NAME

COUNTRY

TAWARASAKO, YUUJI

HIRAI, TOSHIHARU

KOMATSU, MICHIO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

CATALYSTS & CHEM IND CO LTD

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## ABSTRACT:

PROBLEM TO BE SOLVED: To provide electrically conductive metallic oxide particles, having a low surface resistance as low as 10<sup>2</sup>-10<sup>4</sup> Ω/(square), excellent in antistaticity, antireflective property, and electromagnetic shielding property and also excellent in transparency and reliability of a coating, and capable of being used for forming a transparent electrically conductive coating.

SOLUTION: The electrically conductive metallic oxide particles comprise an electrically conductive metallic oxide. The particles contain a component for improving the electric conductivity comprising one or more metallic elements selected from among Au, Ag, Pd, Pt, Rh, Ru, Cu, Fe, Ni, and Co, and have the content of the component for improving electric conductivity within the range of 0.01-1.5 wt.%, which is reduced to a metal weight. An indium oxide doped with Sn, Zn, Zr or F is preferable for the electrically conductive metallic oxide.

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